

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/487,283DATE: 12/09/96
TIME: 10:02:48

INPUT SET: S10587.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

see pp. 2, 3, 10

1
2
3 (1) General Information:
4
5 (i) APPLICANT: Evans, Mark J.
6 Matis, Louis A.
7 Mueller, Eileen Elliott
8 Nye, Steven H.
9 Rollins, Scott
10 Rother, Russell P.
11 Springhorn, Jeremy P.
12 Squinto, Stephen P.
13 Thomas, Thomas C.
14 Wilkins, James A.
15
16 (ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE TREATMENT
17 OF INFLAMMATORY DISEASES
18
19 (iii) NUMBER OF SEQUENCES: 26
20
21 (iv) CORRESPONDENCE ADDRESS:
22 (A) ADDRESSEE: Seth A. Fidel
23 (B) STREET: 25 Science Park (Alexion)
24 (C) CITY: New Haven
25 (D) STATE: Connecticut
26 (E) COUNTRY: USA
27 (F) ZIP: 06511
28
29 (v) COMPUTER READABLE FORM:
30 (A) MEDIUM TYPE: 3.5 inch, 1.4Mb storage
31 (B) COMPUTER: Macintosh Cetrus 610
32 (C) OPERATING SYSTEM: System 7
33 (D) SOFTWARE: WordPerfect 3.0
34 (vi) CURRENT APPLICATION DATA:
35 (A) APPLICATION NUMBER: 08/487,283
36 (B) FILING DATE: June 7, 1995
37 (vii) PRIOR APPLICATION DATA:
38 (A) APPLICATION NUMBER: US 08/236,208
39 (B) FILING DATE: 02-MAY-1994
40
41 (viii) ATTORNEY/AGENT INFORMATION:
42 (A) NAME: Seth A. Fidel.
43 (B) REGISTRATION NUMBER: 38,449
44 (C) REFERENCE/DOCKET NUMBER: ALX-152.1 CIP
45 (ix) TELECOMMUNICATION INFORMATION:

INPUT SET: S10587.raw

46 (A) TELEPHONE: (203) 776-1790
47 (B) TELEFAX: (203) 772-3655
48
49
50

ERRORED SEQUENCES FOLLOW:

51 (2) INFORMATION FOR SEQ ID NO:1:
52 (i) SEQUENCE CHARACTERISTICS:
53 (A) LENGTH: 21 amino acids
54 (B) TYPE: Amino Acid
55 (C) STRANDEDNESS: Single
56 (D) TOPOLOGY: Linear
--> 57 (A) DESCRIPTION: KSSKC peptide
58 (iii) HYPOTHETICAL: No
59 (iv) ANTI-SENSE: No
60
61 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
62
63 Val Ile Asp His Gln Gly Thr Lys Ser Ser
64 5 10
65
66 Lys Cys Val Arg Gln Lys Val Glu Gly Ser Ser
67 15 20
68
69

70 (2) INFORMATION FOR SEQ ID NO:2:
--> 71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 1658 Amino Acids 1676 shown (per 1.822(m) of
73 (B) TYPE: Amino Acid sequence rules, count
74 (C) STRANDEDNESS: Single negative
75 (D) TOPOLOGY: Linear numbers)
--> 76 (A) DESCRIPTION: Pro-C5 Polypeptide (ii) MOLECULE TYPE:
77 (iii) HYPOTHETICAL: No
78 (iv) ANTI-SENSE: No
79 (vi) ORIGINAL SOURCE:
80 (A) ORGANISM: Homo sapiens
81 (x) PUBLICATION INFORMATION:
82 (A) AUTHORS: Haviland, D.L.
83 Haviland, J.C.
84 Fleischer, D.T.
85 Hunt, A.
86 Wetsel, R.A.
87
88 (B) TITLE: Complete cDNA Sequence of Human
89 Complement Pro-C5
90 (C) JOURNAL: Journal of Immunology
91 (D) VOLUME: 146

RAW SEQUENCE LISTING

PATENT APPLICATION US/68/487,283

DATE: 12/09/96

TIME: 10:02:54

INPUT SET: S10587.raw

```

92      (F) PAGES: 362-368
93      (G) DATE: 1991
94
95
96      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
97
98          Met Gly Leu Leu Gly Ile Leu Cys Phe Leu
99                      -15                      -10
100
101      Ile Phe Leu Gly Lys Thr Trp Gly Gln Glu Gln Thr Tyr Val
102                      -5                      -1                      5
103
104      Ile Ser Ala Pro Lys Ile Phe Arg Val Gly Ala Ser Glu Asn
105                      10                      15                      20
106
107      Ile Val Ile Gln Val Tyr Gly Tyr Thr Glu Ala Phe Asp Ala
108                      25                      30
109
110      Thr Ile Ser Ile Lys Ser Tyr Pro Asp Lys Lys Phe Ser Tyr
111      35                      40                      45
112
113      Ser Ser Gly His Val His Leu Ser Ser Glu Asn Lys Phe Gln
114      50                      55                      60
115
116      Asn Ser Ala Ile Leu Thr Ile Gln Pro Lys Gln Leu Pro Gly
117      65                      70                      75
118
119      Gly Gln Asn Pro Val Ser Tyr Val Tyr Leu Glu Val Val Ser
120      80                      85                      90
121
122      Lys His Phe Ser Lys Ser Lys Arg Met Pro Ile Thr Tyr Asp
123      95                      100
124
125      Asn Gly Phe Leu Phe Ile His Thr Asp Lys Pro Val Tyr Thr
126      105                      110                      115
127
128      Pro Asp Gln Ser Val Lys Val Arg Val Tyr Ser Leu Asn Asp
129      120                      125                      130
130
131      Asp Leu Lys Pro Ala Lys Arg Glu Thr Val Leu Thr Phe Ile
132      135                      140                      145
133
134      Asp Pro Glu Gly Ser Glu Val Asp Met Val Glu Glu Ile Asp
135      150                      155                      160
136
137      His Ile Gly Ile Ile Ser Phe Pro Asp Phe Lys Ile Pro Ser
138      165                      170
139
140      Asn Pro Arg Tyr Gly Met Trp Thr Ile Lys Ala Lys Tyr Lys
141      175                      180                      185
142
143      Glu Asp Phe Ser Thr Thr Gly Thr Ala Tyr Phe Glu Val Lys
144      190                      195                      200

```

RAW SEQUENCE LISTING PATENT APPLICATION US/08/487,283

DATE: 12/09/96

TIME: 10:02:57

INPUT SET: S10587.raw

```

145
146   Glu Tyr Val Leu Pro His Phe Ser Val Ser Ile Glu Pro Glu
147           205                      210                      215
148
149   Tyr Asn Phe Ile Gly Tyr Lys Asn Phe Lys Asn Phe Glu Ile
150           220                      225                      230
151
152   Thr Ile Lys Ala Arg Tyr Phe Tyr Asn Lys Val Val Thr Glu
153           235                      240
154
155   Ala Asp Val Tyr Ile Thr Phe Gly Ile Arg Glu Asp Leu Lys
156   245                      250                      255
157
158   Asp Asp Gln Lys Glu Met Met Gln Thr Ala Met Gln Asn Thr
159           260                      265                      270
160
161   Met Leu Ile Asn Gly Ile Ala Gln Val Thr Phe Asp Ser Glu
162           275                      280                      285
163
164   Thr Ala Val Lys Glu Leu Ser Tyr Tyr Ser Leu Glu Asp Leu
165           290                      295                      300
166
167   Asn Asn Lys Tyr Leu Tyr Ile Ala Val Thr Val Ile Glu Ser
168           305                      310
169
170   Thr Gly Gly Phe Ser Glu Glu Ala Glu Ile Pro Gly Ile Lys
171   315                      320                      325
172
173   Tyr Val Leu Ser Pro Tyr Lys Leu Asn Leu Val Ala Thr Pro
174           330                      335                      340
175
176   Leu Phe Leu Lys Pro Gly Ile Pro Tyr Pro Ile Lys Val Gln
177           345                      350                      355
178
179   Val Lys Asp Ser Leu Asp Gln Leu Val Gly Gly Val Pro Val
180           360                      365                      370
181
182   Ile Leu Asn Ala Gln Thr Ile Asp Val Asn Gln Glu Thr Ser
183           375                      380
184
185   Asp Leu Asp Pro Ser Lys Ser Val Thr Arg Val Asp Asp Gly
186   385                      390                      395
187
188   Val Ala Ser Phe Val Leu Asn Leu Pro Ser Gly Val Thr Val
189           400                      405                      410
190
191   Leu Glu Phe Asn Val Lys Thr Asp Ala Pro Asp Leu Pro Glu
192           415                      420                      425
193
194   Glu Asn Gln Ala Arg Glu Gly Tyr Arg Ala Ile Ala Tyr Ser
195           430                      435                      440
196
197   Ser Leu Ser Gln Ser Tyr Leu Tyr Ile Asp Trp Thr Asp Asn

```

RAW SEQUENCE LISTING PATENT APPLICATION US/08/487,283

DATE: 12/09/96

TIME: 10:03:01

INPUT SET: S10587.raw

```

198                               445                               450
199
200   His Lys Ala Leu Leu Val Gly Glu His Leu Asn Ile Ile Val
201   455                               460                               465
202
203   Thr Pro Lys Ser Pro Tyr Ile Asp Lys Ile Thr His Tyr Asn
204           470                               475                               480
205
206   Tyr Leu Ile Leu Ser Lys Gly Lys Ile Ile His Phe Gly Thr
207           485                               490                               495
208
209   Arg Glu Lys Phe Ser Asp Ala Ser Tyr Gln Ser Ile Asn Ile
210           500                               505                               510
211
212   Pro Val Thr Gln Asn Met Val Pro Ser Ser Arg Leu Leu Val
213           515                               520
214
215   Tyr Tyr Ile Val Thr Gly Glu Gln Thr Ala Glu Leu Val Ser
216   525                               530                               535
217
218   Asp Ser Val Trp Leu Asn Ile Glu Glu Lys Cys Gly Asn Gln
219           540                               545                               550
220
221   Leu Gln Val His Leu Ser Pro Asp Ala Asp Ala Tyr Ser Pro
222           555                               560                               565
223
224   Gly Gln Thr Val Ser Leu Asn Met Ala Thr Gly Met Asp Ser
225           570                               575                               580
226
227   Trp Val Ala Leu Ala Ala Val Asp Ser Ala Val Tyr Gly Val
228           585                               590
229
230   Gln Arg Gly Ala Lys Lys Pro Leu Glu Arg Val Phe Gln Phe
231   595                               600                               605
232
233   Leu Glu Lys Ser Asp Leu Gly Cys Gly Ala Gly Gly Gly Leu
234           610                               615                               620
235
236   Asn Asn Ala Asn Val Phe His Leu Ala Gly Leu Thr Phe Leu
237           625                               630                               635
238
239   Thr Asn Ala Asn Ala Asp Asp Ser Gln Glu Asn Asp Glu Pro
240           640                               645                               650
241
242   Cys Lys Glu Ile Leu Arg Pro Arg Arg Thr Leu Gln Lys Lys
243           655                               660
244
245   Ile Glu Glu Ile Ala Ala Lys Tyr Lys His Ser Val Val Lys
246   665                               670                               675
247
248   Lys Cys Cys Tyr Asp Gly Ala Cys Val Asn Asn Asp Glu Thr
249           680                               685                               690
250

```

RAW SEQUENCE LISTING PATENT APPLICATION *US/08/487,283*

DATE: 12/09/96

TIME: 10:03:04

INPUT SET: S10587.raw

251	Cys	Glu	Gln	Arg	Ala	Ala	Arg	Ile	Ser	Leu	Gly	Pro	Arg	Cys
252			695					700					705	
253														
254	Ile	Lys	Ala	Phe	Thr	Glu	Cys	Cys	Val	Val	Ala	Ser	Gln	Leu
255				710				715					720	
256														
257	Arg	Ala	Asn	Ile	Ser	His	Lys	Asp	Met	Gln	Leu	Gly	Arg	Leu
258					725					730				
259														
260	His	Met	Lys	Thr	Leu	Leu	Pro	Val	Ser	Lys	Pro	Glu	Ile	Arg
261	735					740					745			
262														
263	Ser	Tyr	Phe	Pro	Glu	Ser	Trp	Leu	Trp	Glu	Val	His	Leu	Val
264		750					755					760		
265														
266	Pro	Arg	Arg	Lys	Gln	Leu	Gln	Phe	Ala	Leu	Pro	Asp	Ser	Leu
267			765					770					775	
268														
269	Thr	Thr	Trp	Glu	Ile	Gln	Gly	Ile	Gly	Ile	Ser	Asn	Thr	Gly
270				780					785					790
271														
272	Ile	Cys	Val	Ala	Asp	Thr	Val	Lys	Ala	Lys	Val	Phe	Lys	Asp
273					795					800				
274														
275	Val	Phe	Leu	Glu	Met	Asn	Ile	Pro	Tyr	Ser	Val	Val	Arg	Gly
276	805					810					815			
277														
278	Glu	Gln	Ile	Gln	Leu	Lys	Gly	Thr	Val	Tyr	Asn	Tyr	Arg	Thr
279		820					825					830		
280														
281	Ser	Gly	Met	Gln	Phe	Cys	Val	Lys	Met	Ser	Ala	Val	Glu	Gly
282			835					840					845	
283														
284	Ile	Cys	Thr	Ser	Glu	Ser	Pro	Val	Ile	Asp	His	Gln	Gly	Thr
285				850					855					860
286														
287														
288	Lys	Ser	Ser	Lys	Cys	Val	Arg	Gln	Lys	Val	Glu	Gly	Ser	Ser
289					865					870				
290														
291	Ser	His	Leu	Val	Thr	Phe	Thr	Val	Leu	Pro	Leu	Glu	Ile	Gly
292	875					880					885			
293														
294	Leu	His	Asn	Ile	Asn	Phe	Ser	Leu	Glu	Thr	Trp	Phe	Gly	Lys
295		890					895					900		
296														
297	Glu	Ile	Leu	Val	Lys	Thr	Leu	Arg	Val	Val	Pro	Glu	Gly	Val
298			905					910					915	
299														
300	Lys	Arg	Glu	Ser	Tyr	Ser	Gly	Val	Thr	Leu	Asp	Pro	Arg	Gly
301				920					925					930
302														
303	Ile	Tyr	Gly	Thr	Ile	Ser	Arg	Arg	Lys	Glu	Phe	Pro	Tyr	Arg

RAW SEQUENCE LISTING

PATENT APPLICATION US/08/487,283

DATE: 12/09/96

TIME: 10:03:08

INPUT SET: S10587.raw

```

304          935          940
305
306 Ile Pro Leu Asp Leu Val Pro Lys Thr Glu Ile Lys Arg Ile
307 945          950          955
308
309 Leu Ser Val Lys Gly Leu Leu Val Gly Glu Ile Leu Ser Ala
310 960          965          970
311
312 Val Leu Ser Gln Glu Gly Ile Asn Ile Leu Thr His Leu Pro
313 975          980          985
314
315 Lys Gly Ser Ala Glu Ala Glu Leu Met Ser Val Val Pro Val
316 990          995          1000
317
318 Phe Tyr Val Phe His Tyr Leu Glu Thr Gly Asn His Trp Asn
319 1005          1010
320
321 Ile Phe His Ser Asp Pro Leu Ile Glu Lys Gln Lys Leu Lys
322 1015          1020          1025
323
324 Lys Lys Leu Lys Glu Gly Met Leu Ser Ile Met Ser Tyr Arg
325 1030          1035          1040
326
327 Asn Ala Asp Tyr Ser Tyr Ser Val Trp Lys Gly Gly Ser Ala
328 1045          1050          1055
329
330 Ser Thr Trp Leu Thr Ala Phe Ala Leu Arg Val Leu Gly Gln
331 1060          1065          1070
332
333 Val Asn Lys Tyr Val Glu Gln Asn Gln Asn Ser Ile Cys Asn
334 1075          1080
335
336 Ser Leu Leu Trp Leu Val Glu Asn Tyr Gln Leu Asp Asn Gly
337 1085          1090          1095
338
339 Ser Phe Lys Glu Asn Ser Gln Tyr Gln Pro Ile Lys Leu Gln
340 1100          1105          1110
341
342 Gly Thr Leu Pro Val Glu Ala Arg Glu Asn Ser Leu Tyr Leu
343 1115          1120          1125
344
345 Thr Ala Phe Thr Val Ile Gly Ile Arg Lys Ala Phe Asp Ile
346 1130          1135          1140
347
348 Cys Pro Leu Val Lys Ile Asp Thr Ala Leu Ile Lys Ala Asp
349 1145          1150
350
351 Asn Phe Leu Leu Glu Asn Thr Leu Pro Ala Gln Ser Thr Phe
352 1155          1160          1165
353
354 Thr Leu Ala Ile Ser Ala Tyr Ala Leu Ser Leu Gly Asp Lys
355 1170          1175          1180
356

```

INPUT SET: S10587.raw

```

357 Thr His Pro Gln Phe Arg Ser Ile Val Ser Ala Leu Lys Arg
358      1185                      1190                      1195
359
360 Glu Ala Leu Val Lys Gly Asn Pro Pro Ile Tyr Arg Phe Trp
361      1200                      1205                      1210
362
363 Lys Asp Asn Leu Gln His Lys Asp Ser Ser Val Pro Asn Thr
364      1215                      1220
365
366 Gly Thr Ala Arg Met Val Glu Thr Thr Ala Tyr Ala Leu Leu
367 1225                      1230                      1235
368
369 Thr Ser Leu Asn Leu Lys Asp Ile Asn Tyr Val Asn Pro Val
370      1240                      1245                      1250
371
372 Ile Lys Trp Leu Ser Glu Glu Gln Arg Tyr Gly Gly Gly Phe
373      1255                      1260                      1265
374
375 Tyr Ser Thr Gln Asp Thr Ile Asn Ala Ile Glu Gly Leu Thr
376      1270                      1275                      1280
377
378 Glu Tyr Ser Leu Leu Val Lys Gln Leu Arg Leu Ser Met Asp
379      1285                      1290
380
381 Ile Asp Val Ser Tyr Lys His Lys Gly Ala Leu His Asn Tyr
382 1295                      1300                      1305
383
384 Lys Met Thr Asp Lys Asn Phe Leu Gly Arg Pro Val Glu Val
385      1310                      1315                      1320
386
387 Leu Leu Asn Asp Asp Leu Ile Val Ser Thr Gly Phe Gly Ser
388      1325                      1330                      1335
389
390 Gly Leu Ala Thr Val His Val Thr Thr Val Val His Lys Thr
391      1340                      1345                      1350
392
393 Ser Thr Ser Glu Glu Val Cys Ser Phe Tyr Leu Lys Ile Asp
394      1355                      1360
395
396 Thr Gln Asp Ile Glu Ala Ser His Tyr Arg Gly Tyr Gly Asn
397 1365                      1370                      1375
398
399 Ser Asp Tyr Lys Arg Ile Val Ala Cys Ala Ser Tyr Lys Pro
400      1380                      1385                      1390
401
402 Ser Arg Glu Glu Ser Ser Ser Gly Ser Ser His Ala Val Met
403      1395                      1400                      1405
404
405 Asp Ile Ser Leu Pro Thr Gly Ile Ser Ala Asn Glu Glu Asp
406      1410                      1415                      1420
407
408 Leu Lys Ala Leu Val Glu Gly Val Asp Gln Leu Phe Thr Asp
409      1425                      1430

```


RAW SEQUENCE LISTING PATENT APPLICATION US/08/487,283

DATE: 12/09/96

TIME: 10:03:14

INPUT SET: S10587.raw

```

410
411 Tyr Gln Ile Lys Asp Gly His Val Ile Leu Gln Leu Asn Ser
412 1435 1440 1445
413
414 Ile Pro Ser Ser Asp Phe Leu Cys Val Arg Phe Arg Ile Phe
415 1450 1455 1460
416
417 Glu Leu Phe Glu Val Gly Phe Leu Ser Pro Ala Thr Phe Thr
418 1465 1470 1475
419
420 Val Tyr Glu Tyr His Arg Pro Asp Lys Gln Cys Thr Met Phe
421 1480 1485 1490
422
423 Tyr Ser Thr Ser Asn Ile Lys Ile Gln Lys Val Cys Glu Gly
424 1495 1500
425
426 Ala Ala Cys Lys Cys Val Glu Ala Asp Cys Gly Gln Met Gln
427 1505 1510 1515
428
429 Glu Glu Leu Asp Leu Thr Ile Ser Ala Glu Thr Arg Lys Gln
430 1520 1525 1530
431
432 Thr Ala Cys Lys Pro Glu Ile Ala Tyr Ala Tyr Lys Val Ser
433 1535 1540 1545
434
435 Ile Thr Ser Ile Thr Val Glu Asn Val Phe Val Lys Tyr Lys
436 1550 1555 1560
437
438 Ala Thr Leu Leu Asp Ile Tyr Lys Thr Gly Glu Ala Val Ala
439 1565 1570
440
441 Glu Lys Asp Ser Glu Ile Thr Phe Ile Lys Lys Val Thr Cys
442 1575 1580 1585
443
444 Thr Asn Ala Glu Leu Val Lys Gly Arg Gln Tyr Leu Ile Met
445 1590 1595 1600
446
447 Gly Lys Glu Ala Leu Gln Ile Lys Tyr Asn Phe Ser Phe Arg
448 1605 1610 1615
449
450 Tyr Ile Tyr Pro Leu Asp Ser Leu Thr Trp Ile Glu Tyr Trp
451 1620 1625 1630
452
453 Pro Arg Asp Thr Thr Cys Ser Ser Cys Gln Ala Phe Leu Ala
454 1635 1640
455
456 Asn Leu Asp Glu Phe Ala Glu Asp Ile Phe Leu Asn Gly Cys
457 1645 1650 1655
458
459
460

```

RAW SEQUENCE LISTING PATENT APPLICATION US/08/487,283

DATE: 12/09/96
TIME: 10:03:18

INPUT SET: S10587.raw

```

--> 2494      (i) SEQUENCE CHARACTERISTICS:
2495      (A) LENGTH: 813 base pairs 783 shown
2496      (B) TYPE: Nucleic Acid
2497      (C) STRANDEDNESS: Double
2498      (D) TOPOLOGY: linear
2499      (ii) MOLECULE TYPE: Other nucleic acid
2500      (A) DESCRIPTION: N19/8 scFv (His Tagged)
2501
2502
2503      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
2504
2505      ATG GCC AAT ATT GTG CTG ACC CAA TCT CCA 30
2506      Met Ala Asn Ile Val Leu Thr Gln Ser Pro
2507      1 5 10
2508
2509      GCT TCT TTG GCT GTG TCT CTA GGG CAG AGG 60
2510      Ala Ser Leu Ala Val Ser Leu Gly Gln Arg
2511      15 20
2512
--> 2513      GCC ACC ATA TCC TGC AGA GCC AGT GAA AGT 120 90
2514      Ala Thr Ile Ser Cys Arg Ala Ser Glu Ser
2515      25 30
2516
2517      GTT GAT AGT TAT GAC AAT AGT TTT ATG CAC 150 120
2518      Val Asp Ser Tyr Asp Asn Ser Phe Met His
2519      35 40
2520
2521      TGG TAC CAG CAG AAA CCA GGA CAG CCA CCC 180
2522      Trp Tyr Gln Gln Lys Pro Gly Gln Pro Pro
2523      45 50
2524
2525      AAA CTC CTC ATC TTT CTT GCA TCC AAC CTA 210
2526      Lys Leu Leu Ile Phe Leu Ala Ser Asn Leu
2527      55 60
2528
2529      GAA TCT GGG GTC CCT GCC AGG TTC AGT GGC 240
2530      Glu Ser Gly Val Pro Ala Arg Phe Ser Gly
2531      65 70
2532
2533      AGT GGG TCT AGG ACA GAC TTC ACC CTC ACC 270
2534      Ser Gly Ser Arg Thr Asp Phe Thr Leu Thr
2535      75 80
2536
2537      ATT GAT CCT GTG GAG GCT GAT GAT GCT GCA 300
2538      Ile Asp Pro Val Glu Ala Asp Asp Ala Ala
2539      85 90
2540
2541      ACC TAT TAC TGT CAG CAA AAT AAT GAG GTT 330
2542      Thr Tyr Tyr Cys Gln Gln Asn Asn Glu Val
2543      95 100
2544
2545      CCG AAC ACG TTC GGA GGG GGG ACC AAG CTG 360
2546      Pro Asn Thr Phe Gly Gly Gly Thr Lys Leu

```

etc.
↓

Notes are off

RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/487,283

DATE: 12/09/96

TIME: 10:03:21

INPUT SET: S10587.raw

2547		105		110
2548				
2549	GAA ATA AAA CGG ACC GGA GGT GGC GGG TCG	390		
2550	Glu Ile Lys Arg Thr Gly Gly Gly Gly Ser			
2551		115		120
2552				
2553	GGT GGC GGG GGA TCG GGT GGC GGA GGG TCG	420		
2554	Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser			
2555		125		130
2556				
2557	GAC GTC AAG CTC GTG GAG TCT GGG GGA GAC	450		
2558	Asp Val Lys Leu Val Glu Ser Gly Gly Asp			
2559		135		140
2560				
2561	TTA GTG AAG CTT GGA GGG TCC CTG AAA CTC	480		
2562	Leu Val Lys Leu Gly Gly Ser Leu Lys Leu			
2563		145		150
2564				
2565	TCC TGT GCA GCC TCT GGA TTC ACC TTC AGT	510		
2566	Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser			
2567		155		160
2568				
2569	AGC TAT TAT ATG TCT TGG GTT CGC CAG ATT	540		
2570	Ser Tyr Tyr Met Ser Trp Val Arg Gln Ile			
2571		165		170
2572				
2573	TCA GAG AAG AGG CTG GAG TTG GTC GCA GCC	570		
2574	Ser Glu Lys Arg Leu Glu Leu Val Ala Ala			
2575		175		180
2576				
2577	ATT AAT AGT AAT GGT GAT AGC ACC TAC TAT	600		
2578	Ile Asn Ser Asn Gly Asp Ser Thr Tyr Tyr			
2579		185		190
2580				
2581	CCA GAC ACT GTG AAG GGC CGA TTC ACC ATC	630		
2582	Pro Asp Thr Val Lys Gly Arg Phe Thr Ile			
2583		195		200
2584				
2585	TCC AGA GAC AAT GCC AAG AGC ACC CTG GAT	660		
2586	Ser Arg Asp Asn Ala Lys Ser Thr Leu Asp			
2587		205		210
2588				
2589	CTG CAA ATG AGC AGT CTG AAG TCT GAG GAC	690		
2590	Leu Gln Met Ser Ser Leu Lys Ser Glu Asp			
2591		215		220
2592				
2593	ACA GCC TTG TAT TTC TGT GTA AGA GAG ACT	720		
2594	Thr Ala Leu Tyr Phe Cys Val Arg Glu Thr			
2595		225		230
2596				
2597	TAT TAC TAC GGG ATT AGT CCC GTC TTC GAT	750		
2598	Tyr Tyr Tyr Gly Ile Ser Pro Val Phe Asp			
2599		235		240

Labels are off

INPUT SET: S10587.raw

*LoLehane off**J*

2600
2601 GTC TGG GGC ACA GGG ACC ACG GTC ACC GTC 780
2602 Val Trp Gly Thr Gly Thr Thr Val Thr Val
2603 245 250
2604
2605 TCC TCA CTC GAG CAC CAC CAC CAC CAC CAC 810
2606 Ser Ser Leu Glu His His His His His His
2607 255 260
2608
2609 TGA 813
2610
2611
2612

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/487,283

DATE: 12/09/96

TIME: 10:03:25

INPUT SET: S10587.raw

Line	Error	Original Text
57	Unknown or Misplaced Identifier	(A) DESCRIPTION: KSSKC peptide
72	Entered (1658) and Calc. Seq. Length (1676) differ	(A) LENGTH: 1658 Amino Acids
76	Unknown or Misplaced Identifier	(A)DESCRIPTION: Pro-C5 Polypeptide
2495	Entered (813) and Calc. Seq. Length (783) differ	(A) LENGTH: 813 base pairs
2513	# of Sequences for line conflicts w/ running total	GCC ACC ATA TCC TGC AGA GCC AGT GAA AGT 12